Amendment to the Claims:

The following listing of claims replaces all previous versions and listings of claims:

1. (Previously presented) In an automated manufacturing facility for running automatic production and having a plurality of pieces of automated equipment designed to carry out certain tasks and having interactive control systems, an automated issue resolution (ISR) system for automatically attempting to resolve identified issues that interfere with automatic production, the ISR system comprising:

an automated issue resolution management (ISRM) system in communication with each of the interactive control systems, the ISRM directing attempts to automatically resolve issues including error conditions relating to the automated manufacturing facility and including a plurality of automated components whose operations the ISRM system is operable to coordinate, the components including:

a recognized issue list containing a listing of return codes for a set of issues associated with the automated equipment;

a first component for automatically checking the recognized issue list to determine whether a first reported issue brought to its attention is a recognized issue for which an automatic resolution appears to be available; and

a plurality of second components for commanding the taking of automated corrective actions by corresponding portions of the automated manufacturing facility in response to reported issues recognized by the first component, each of the second components is respectively dedicated to attempting to resolve a different recognized issue;

wherein one of the second components is selected, via a respective return code associated with the first reported issue, to direct a corresponding portion of the automated facility to implement an automated corrective action.

2. (Original) An issue resolution system as in Claim 1, wherein the ISRM system further includes:

a third component for determining whether the automated corrective action appears to have resolved the recognized issue; and

a fourth component for logging whether the automated corrective action appears to have resolved the recognized issue.

3. (Original) An issue resolution system as in Claim 1, wherein the second component of ISRM system further includes:

a first subcomponent for determining whether an automated corrective action appears to be able to be taken at present; and

a second subcomponent, in communication with the first subcomponent, for advising that an automated corrective action cannot be executed at present.

4. (Original) An issue resolution system as in Claim 3, wherein the second subcomponent of second component is operatively arranged for advising via a first message that an automated corrective action cannot be taken because of a condition specifically identified in the first message.

5. (Original) An issue resolution system as in Claim 4, wherein the second subcomponent of the second component is operatively arranged for advising via a second message that an automated corrective action cannot be taken because of at least one piece of automated equipment identified in the second message is not in automatic mode.

6. (Cancelled)

7. (Original) An issue resolution system as in Claim 1, wherein the second component of the ISRM system further includes a first subcomponent for providing at least first and second courses of possible automated corrective action, and a second subcomponent for commanding the taking of the first course of possible automated corrective action, and then the taking of the second course of possible automated corrective action if needed.

8. (Original) An issue resolution system as in Claim 1, further comprising:

a third component for determining whether the automated corrective action that was commanded appears to have resolved the recognized issue; and wherein

the third component includes a first subcomponent for providing a first message indicating whether the commanded automated corrective action appears to have resolved the issue, and

the second component includes

a first subcomponent for providing at least first and second possible automated corrective actions, and

a second subcomponent for commanding the taking of the first possible automated corrective action, and then commanding the taking of the second possible automated corrective action if needed, and

a third subcomponent for receiving the first message provided by third component and deciding whether the second subcomponent needs to command the taking of the second possible automated corrective action.

9. (Previously presented) An issue resolution system as in Claim 8, wherein the ISRM system further includes:

a command memory for providing information pertinent to possible corrective actions with respect to at least a plurality of distinct recognized issues; and

a command sequencer for helping generate at least first and second commands to initiate automated corrective actions in sequence as needed.

10. (Original) An issue resolution system as in Claim 8, wherein the ISRM system further comprising:

a fourth component for logging for future reference whether an automated corrective action that was commanded appears to have resolved the recognized issue;

a fifth component for providing a message indicating which automated corrective action that was commanded appears to have resolved the recognized issue; and

a sixth component, operatively arranged to receive a message from the fifth component, for logging for future reference at least part of the information contained in such received message.